

Results of Directional Survey

NE LATERAL

API number:	30-025-24019		
OGRID:		Operator:	CHEVRON U S A INC
		Property:	NORTH VACUUM ABO WEST UNIT # 11H

surface	ULSTR:	P	21	T	17S	R	34E
				660	FSL	660	FEL

NE Lateral

BH Loc	ULSTR:	L	22	T	17S	R	34E
10442	MD	8829.2	TVD	2122	FSL	350	FWL

NE Lateral

Top Perf/OH	ULSTR:	P	21	T	17S	R	34E
8570	MD	8566.7	TVD	691	FSL	648	FEL

Bot Perf/OH	ULSTR:	L	22	T	17S	R	34E
10442	MD	8829.2	TVD	2122	FSL	350	FWL

	MD	N/S	E/W	VD
	8524	20.20	3.70	8523.4
TOP PERFS/OH	8570	30.77	11.87	8566.67
	8689	58.10	33.00	8678.60
	10393	1422.30	982.10	8827.30
BOT PERFS/OH	10442	1462.40	1010.30	8829.20
	10442	1462.40	1010.30	8829.20

NEXT TO LAST	10393	1422.30	982.10	8827.30
LAST READING	10442	1462.40	1010.30	8829.20
TD	10442	1462.40	1010.30	8829.20

Surface Location	660	FS	660	FE
Projected BHL	2122	FS	350	FW
Location of				
Top Perfs/OH	691	FS	648	FE
Bottom Perfs/OH	2122	FS	350	FW

SUMMARY of Subsurface Locations

Surface Location	P-21-17S-34E	660	FS	660	FE	Vert. Depth
Top Perfs/OH	P-21-17S-34E	691	FS	648	FE	8566.67
Bottom Perfs/OH	L-22-17S-34E	2122	FS	350	FW	8829.20
Projected TD	L-22-17S-34E	2122	FS	350	FW	8829.20

MAR 06 2012



Scientific Drilling

Chevron

Lea County, New Mexico

NVAWU (11)

Well #11H-ENE

NE Lateral

HOBBS OCD

NOV 14 2011

RECEIVED

NE Lateral
SUR: P-21-17s-34e, 660/S & 660/E
BHL: L-22-17s-34e, 2122/S & 350/W
API # 30-025-24019

Design: Actual

Final Survey Report

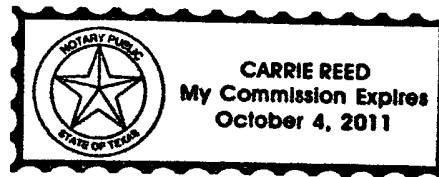
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 31st of May, 2011.

[Signature]

Notary Signature
County of Midland
State of Texas



Project	Lea County, New Mexico		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	NVAWU (11)		
Site Position:		Northing:	661,049.68 usft
From:	Map	Easting:	779,302.44 usft
Position Uncertainty:	0.0 usft	Slot Radius:	0 "
		Latitude:	32° 48' 53.488 N
		Longitude:	103° 33' 31.522 W
		Grid Convergence:	0.42 °

Well	Well #11H-ENE		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty		0.0 usft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	NE Lateral		
Magnetics	Model Name	Sample Date	Declination
			(°)
			Dip Angle
			(°)
			Field Strength
			(nT)
	IGRF2010	2/27/2011	7.66
			60.74
			49,000

Design	Actual		
Audit Notes:			
Version:	1	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
			Direction
			(°)
	0.0	0.0	0.0
			34.64

Survey Program	Date 4/19/2011		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	8,524.0	Survey #1 (NE Lateral)	SDI Gyro
8,689.0	10,442.0	Survey #2 (NE Lateral)	MWD-SDI
			Description
			Gyroscopic Survey
			MWD - Standard ISCWSA

Survey											
MD	Inc	Azi (azimuth)	TVD	N/S	E/W	DLeg	Closure Distance	Closure Azimuth	Northing	Easting	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(usft)	(°)	(usft)	(usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.00	661,049.68	779,302.44	
100.0	0.26	132.41	100.0	-0.2	0.2	0.26	0.2	132.41	661,049.52	779,302.61	
200.0	0.22	46.32	200.0	-0.2	0.5	0.33	0.5	110.10	661,049.50	779,302.92	
300.0	0.22	108.44	300.0	-0.1	0.8	0.23	0.8	97.28	661,049.58	779,303.24	
400.0	0.21	75.38	400.0	-0.1	1.2	0.12	1.2	95.74	661,049.56	779,303.60	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	D Leg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
500.0	0.20	188.00	500.0	-0.2	1.3	0.34	1.3	100.51	661,049.44	779,303.75	
600.0	0.54	181.94	600.0	-0.9	1.3	0.34	1.5	124.98	661,048.79	779,303.71	
700.0	0.81	201.62	700.0	-2.0	1.0	0.35	2.2	153.81	661,047.66	779,303.43	
800.0	0.79	217.34	800.0	-3.2	0.3	0.22	3.2	174.46	661,046.46	779,302.75	
900.0	0.91	246.57	900.0	-4.1	-0.8	0.44	4.2	191.55	661,045.59	779,301.61	
1,000.0	1.03	253.09	1,000.0	-4.7	-2.4	0.16	5.3	207.47	661,045.02	779,300.02	
1,100.0	0.82	270.93	1,099.9	-4.9	-4.0	0.35	6.3	219.16	661,044.77	779,298.44	
1,200.0	0.80	268.33	1,199.9	-4.9	-5.4	0.04	7.3	227.73	661,044.76	779,297.03	
1,300.0	0.70	290.39	1,299.9	-4.7	-6.7	0.30	8.2	234.73	661,044.95	779,295.76	
1,400.0	0.57	276.41	1,399.9	-4.5	-7.7	0.20	8.9	240.09	661,045.22	779,294.69	
1,500.0	0.26	297.41	1,499.9	-4.3	-8.4	0.34	9.5	243.02	661,045.38	779,294.00	
1,600.0	0.60	295.42	1,599.9	-4.0	-9.1	0.34	9.9	246.48	661,045.71	779,293.32	
1,700.0	0.56	277.98	1,699.9	-3.7	-10.1	0.18	10.7	249.95	661,046.00	779,292.37	
1,800.0	0.36	264.42	1,799.9	-3.6	-10.9	0.23	11.5	251.49	661,046.04	779,291.57	
1,900.0	0.21	275.74	1,899.9	-3.7	-11.4	0.16	11.9	252.19	661,046.03	779,291.07	
2,000.0	0.10	330.02	1,999.9	-3.6	-11.6	0.17	12.1	252.94	661,046.12	779,290.85	
2,100.0	0.19	308.20	2,099.9	-3.4	-11.8	0.10	12.2	253.98	661,046.30	779,290.67	
2,200.0	0.25	302.84	2,199.9	-3.2	-12.1	0.06	12.5	255.35	661,046.52	779,290.36	
2,300.0	0.21	348.02	2,299.9	-2.9	-12.3	0.18	12.6	256.91	661,046.82	779,290.14	
2,400.0	0.16	333.53	2,399.9	-2.6	-12.4	0.07	12.7	258.35	661,047.12	779,290.04	
2,500.0	0.09	6.85	2,499.9	-2.4	-12.5	0.10	12.7	259.30	661,047.32	779,289.99	
2,600.0	0.44	49.08	2,599.9	-2.0	-12.2	0.38	12.3	260.54	661,047.65	779,290.29	
2,700.0	0.47	50.35	2,699.9	-1.5	-11.6	0.03	11.6	262.55	661,048.17	779,290.89	
2,800.0	0.64	56.53	2,799.9	-0.9	-10.8	0.18	10.8	265.00	661,048.74	779,291.67	
2,900.0	0.77	56.55	2,899.9	-0.3	-9.7	0.13	9.7	268.45	661,049.41	779,292.70	
3,000.0	0.81	58.95	2,999.9	0.5	-8.6	0.05	8.6	273.15	661,050.15	779,293.87	
3,100.0	0.84	58.48	3,099.9	1.2	-7.3	0.03	7.4	279.43	661,050.90	779,295.10	
3,200.0	0.78	56.17	3,199.8	2.0	-6.2	0.07	6.5	287.85	661,051.66	779,296.29	
3,300.0	0.57	39.86	3,299.8	2.7	-5.3	0.28	5.9	297.49	661,052.42	779,297.17	
3,400.0	0.31	14.63	3,399.8	3.4	-4.9	0.32	5.9	304.74	661,053.06	779,297.56	
3,500.0	0.25	279.39	3,499.8	3.7	-5.0	0.42	6.2	306.21	661,053.36	779,297.41	
3,600.0	0.53	248.93	3,599.8	3.6	-5.7	0.34	6.7	302.04	661,053.23	779,296.76	
3,700.0	0.66	237.44	3,699.8	3.1	-6.6	0.18	7.3	295.01	661,052.75	779,295.85	
3,800.0	0.81	235.47	3,799.8	2.4	-7.7	0.15	8.0	287.16	661,052.04	779,294.78	
3,900.0	0.92	236.17	3,899.8	1.5	-8.9	0.11	9.0	279.67	661,051.20	779,293.53	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
4,000.0	0.80	236.09	3,999.8	0.7	-10.2	0.12	10.2	273.84	661,050.36	779,292.28	
4,100.0	0.83	243.61	4,099.8	0.0	-11.4	0.11	11.4	269.85	661,049.65	779,291.06	
4,200.0	0.96	238.89	4,199.8	-0.8	-12.8	0.15	12.8	266.48	661,048.89	779,289.69	
4,300.0	1.13	226.51	4,299.8	-1.9	-14.2	0.28	14.3	262.39	661,047.78	779,288.26	
4,400.0	1.12	221.62	4,399.7	-3.3	-15.5	0.10	15.9	258.00	661,046.37	779,286.89	
4,500.0	1.16	218.24	4,499.7	-4.8	-16.8	0.08	17.5	253.98	661,044.85	779,285.62	
4,600.0	0.99	217.21	4,599.7	-6.3	-18.0	0.17	19.1	250.64	661,043.36	779,284.47	
4,700.0	0.94	224.20	4,699.7	-7.6	-19.1	0.13	20.5	248.30	661,042.09	779,283.37	
4,800.0	0.67	219.31	4,799.7	-8.6	-20.0	0.28	21.8	246.67	661,041.05	779,282.43	
4,900.0	0.46	32.48	4,899.7	-8.7	-20.2	1.13	22.0	246.56	661,040.93	779,282.28	
5,000.0	1.15	27.64	4,999.7	-7.5	-19.5	0.69	20.9	248.90	661,042.16	779,282.96	
5,100.0	1.39	29.81	5,099.6	-5.6	-18.4	0.24	19.2	253.16	661,044.10	779,284.03	
5,200.0	1.40	26.00	5,199.6	-3.4	-17.3	0.09	17.6	258.79	661,046.25	779,285.16	
5,300.0	1.50	19.65	5,299.6	-1.1	-16.3	0.19	16.3	266.16	661,048.58	779,286.14	
5,400.0	1.37	22.85	5,399.5	1.2	-15.4	0.15	15.4	274.61	661,050.92	779,287.04	
5,500.0	0.99	25.61	5,499.5	3.1	-14.6	0.38	14.9	282.10	661,052.80	779,287.88	
5,600.0	0.96	31.44	5,599.5	4.6	-13.7	0.10	14.5	288.55	661,054.29	779,288.69	
5,700.0	0.93	28.16	5,699.5	6.0	-12.9	0.06	14.3	295.06	661,055.72	779,289.51	
5,800.0	0.86	28.37	5,799.5	7.4	-12.2	0.07	14.3	301.33	661,057.10	779,290.25	
5,900.0	0.62	18.66	5,899.5	8.6	-11.7	0.27	14.5	306.39	661,058.27	779,290.78	
6,000.0	0.55	22.01	5,999.5	9.6	-11.3	0.08	14.8	310.19	661,059.23	779,291.13	
6,100.0	0.52	28.68	6,099.5	10.4	-10.9	0.07	15.1	313.62	661,060.07	779,291.53	
6,200.0	0.54	11.94	6,199.5	11.3	-10.6	0.16	15.5	316.73	661,060.93	779,291.85	
6,300.0	0.39	36.71	6,299.5	12.0	-10.3	0.25	15.8	319.35	661,061.67	779,292.15	
6,400.0	0.64	70.18	6,399.4	12.4	-9.6	0.38	15.7	322.47	661,062.13	779,292.88	
6,500.0	0.72	73.25	6,499.4	12.8	-8.4	0.09	15.3	326.65	661,062.50	779,294.00	
6,600.0	0.76	60.14	6,599.4	13.3	-7.3	0.17	15.2	331.43	661,063.01	779,295.18	
6,700.0	0.71	47.04	6,699.4	14.1	-6.2	0.17	15.4	336.13	661,063.76	779,296.21	
6,800.0	0.68	39.43	6,799.4	15.0	-5.4	0.10	15.9	340.15	661,064.64	779,297.04	
6,900.0	0.51	50.55	6,899.4	15.7	-4.7	0.20	16.4	343.40	661,065.38	779,297.76	
7,000.0	0.68	52.05	6,999.4	16.4	-3.9	0.17	16.8	346.69	661,066.03	779,298.57	
7,100.0	0.63	36.62	7,099.4	17.2	-3.1	0.18	17.4	349.85	661,066.84	779,299.37	
7,200.0	0.63	54.70	7,199.4	17.9	-2.3	0.20	18.1	352.70	661,067.60	779,300.14	
7,300.0	0.42	43.20	7,299.4	18.5	-1.6	0.23	18.6	355.07	661,068.18	779,300.84	
7,400.0	0.67	49.68	7,399.4	19.1	-0.9	0.26	19.2	357.31	661,068.83	779,301.54	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
7,500.0	0.44	82.80		7,499.4	19.6	-0.1	0.39	19.6	359.78	661,069.25	779,302.37
7,600.0	0.09	113.70		7,599.4	19.6	0.4	0.37	19.6	1.11	661,069.27	779,302.82
7,700.0	0.05	84.00		7,699.4	19.6	0.5	0.05	19.6	1.45	661,069.24	779,302.94
7,800.0	0.33	72.04		7,799.4	19.7	0.8	0.28	19.7	2.37	661,069.34	779,303.25
7,900.0	0.12	68.62		7,899.4	19.8	1.2	0.21	19.8	3.42	661,069.46	779,303.62
8,000.0	0.35	73.00		7,999.4	19.9	1.6	0.23	20.0	4.52	661,069.59	779,304.01
8,100.0	0.28	43.73		8,099.4	20.2	2.0	0.17	20.3	5.76	661,069.86	779,304.48
8,200.0	0.23	91.23		8,199.4	20.4	2.4	0.21	20.5	6.74	661,070.03	779,304.84
8,300.0	0.19	92.17		8,299.4	20.3	2.8	0.04	20.5	7.75	661,070.02	779,305.21
8,400.0	0.19	63.33		8,399.4	20.4	3.1	0.09	20.6	8.59	661,070.09	779,305.53
8,500.0	0.48	117.92		8,499.4	20.3	3.6	0.40	20.6	10.07	661,069.96	779,306.04
8,524.0	0.19	185.96		8,523.4	20.2	3.7	1.86	20.5	10.34	661,069.88	779,306.13
Tie-in SDI Gyro - Tie-in SDI Gyro											
8,689.0	34.47	37.58		8,678.6	58.1	33.0	20.99	66.8	29.62	661,107.77	779,335.48
8,721.0	41.97	37.32		8,703.8	73.8	45.1	23.44	86.5	31.41	661,123.48	779,347.50
8,753.0	49.08	37.22		8,726.2	92.0	58.9	22.22	109.2	32.63	661,141.64	779,361.32
8,784.0	55.82	37.14		8,745.0	111.5	73.7	21.74	133.7	33.46	661,161.21	779,376.16
8,816.0	62.22	35.87		8,761.5	133.6	90.0	20.29	161.1	33.98	661,183.26	779,392.47
8,848.0	67.77	35.02		8,775.0	157.2	106.8	17.51	190.1	34.20	661,206.88	779,409.27
8,880.0	71.71	35.44		8,786.1	181.7	124.1	12.37	220.1	34.34	661,231.39	779,426.59
8,911.0	73.70	34.32		8,795.3	206.0	141.1	7.29	249.7	34.40	661,255.67	779,443.51
8,942.0	77.04	34.93		8,803.2	230.7	158.1	10.94	279.7	34.43	661,280.35	779,460.55
8,974.0	80.00	35.52		8,809.5	256.3	176.2	9.42	311.0	34.51	661,305.96	779,478.64
9,006.0	82.27	35.37		8,814.5	282.0	194.5	7.11	342.6	34.60	661,331.72	779,496.98
9,038.0	84.80	35.37		8,818.1	308.0	212.9	7.91	374.4	34.66	661,357.65	779,515.38
9,068.0	87.11	37.08		8,820.2	332.1	230.6	9.57	404.3	34.78	661,381.78	779,533.06
9,099.0	88.83	36.58		8,821.3	356.9	249.2	5.78	435.3	34.92	661,406.58	779,551.63
9,130.0	90.17	36.92		8,821.5	381.7	267.7	4.46	466.3	35.04	661,431.42	779,570.18
9,162.0	91.54	36.92		8,821.1	407.3	287.0	4.28	498.3	35.16	661,457.00	779,589.40
9,193.0	92.46	36.39		8,820.0	432.2	305.5	3.42	529.2	35.25	661,481.85	779,607.89
9,225.0	92.58	35.50		8,818.6	458.1	324.2	2.80	561.2	35.29	661,507.73	779,626.66
9,256.0	92.28	34.05		8,817.3	483.5	341.9	4.77	592.2	35.26	661,533.17	779,644.33
9,287.0	90.27	33.89		8,816.6	509.2	359.2	6.50	623.1	35.20	661,558.87	779,661.64
9,318.0	89.90	33.04		8,816.5	535.1	376.3	2.99	654.1	35.12	661,584.73	779,678.74
9,350.0	87.28	34.12		8,817.3	561.7	394.0	8.86	686.1	35.05	661,611.38	779,696.43
9,382.0	86.04	33.55		8,819.2	588.2	411.8	4.26	718.0	34.99	661,637.92	779,714.21

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
9,413.0	86.85	33.41	8,821.1	614.0	428.8	2.65	749.0	34.93	661,663.72	779,731.28
9,445.0	90.17	34.06	8,821.9	640.6	446.6	10.57	780.9	34.88	661,690.32	779,749.05
9,477.0	91.38	34.50	8,821.5	667.1	464.6	4.02	812.9	34.86	661,716.76	779,767.07
9,509.0	91.28	34.80	8,820.8	693.4	482.8	0.99	844.9	34.85	661,743.08	779,785.26
9,540.0	90.81	34.92	8,820.2	718.8	500.5	1.56	875.9	34.85	661,768.51	779,802.97
9,572.0	88.38	34.98	8,820.4	745.1	518.9	7.60	907.9	34.85	661,794.74	779,821.30
9,604.0	87.39	34.85	8,821.6	771.3	537.2	3.12	939.9	34.86	661,820.96	779,839.60
9,635.0	88.99	35.18	8,822.6	796.7	554.9	5.27	970.9	34.86	661,846.33	779,857.38
9,667.0	89.12	35.26	8,823.1	822.8	573.4	0.48	1,002.9	34.87	661,872.47	779,875.83
9,699.0	91.88	35.04	8,822.8	849.0	591.8	8.65	1,034.9	34.88	661,898.63	779,894.25
9,731.0	89.36	35.42	8,822.5	875.1	610.3	7.96	1,066.9	34.89	661,924.77	779,912.71
9,761.0	88.82	34.91	8,823.0	899.6	627.5	2.48	1,096.9	34.90	661,949.29	779,929.99
9,793.0	88.72	34.24	8,823.6	926.0	645.7	2.12	1,128.9	34.89	661,975.63	779,948.14
9,825.0	87.24	34.21	8,824.8	952.4	663.7	4.63	1,160.8	34.87	662,002.07	779,966.13
9,856.0	88.12	34.78	8,826.0	977.9	681.2	3.38	1,191.8	34.86	662,027.60	779,983.67
9,888.0	88.25	34.19	8,827.0	1,004.3	699.3	1.89	1,223.8	34.85	662,053.97	780,001.78
9,919.0	87.48	34.37	8,828.2	1,029.9	716.8	2.55	1,254.8	34.84	662,079.56	780,019.23
9,951.0	86.97	33.45	8,829.7	1,056.4	734.6	3.28	1,286.7	34.81	662,106.09	780,037.06
9,982.0	88.99	33.80	8,830.8	1,082.2	751.8	6.61	1,317.7	34.79	662,131.88	780,054.21
10,014.0	90.34	34.16	8,831.0	1,108.7	769.7	4.37	1,349.7	34.77	662,158.42	780,072.10
10,046.0	89.93	33.45	8,830.9	1,135.3	787.5	2.56	1,381.7	34.75	662,185.01	780,089.90
10,078.0	90.27	34.05	8,830.9	1,161.9	805.2	2.16	1,413.7	34.72	662,211.62	780,107.68
10,110.0	91.28	34.39	8,830.5	1,188.4	823.2	3.33	1,445.7	34.71	662,238.07	780,125.67
10,142.0	91.34	33.64	8,829.7	1,214.9	841.1	2.35	1,477.7	34.70	662,264.59	780,143.57
10,173.0	92.26	33.57	8,828.8	1,240.7	858.3	2.98	1,508.6	34.67	662,290.40	780,160.72
10,205.0	92.52	33.46	8,827.4	1,267.4	875.9	0.88	1,540.6	34.65	662,317.05	780,178.37
10,237.0	93.03	32.88	8,825.9	1,294.1	893.4	2.41	1,572.6	34.62	662,343.81	780,195.86
10,268.0	92.02	34.27	8,824.5	1,319.9	910.5	5.54	1,603.5	34.60	662,369.61	780,212.99
10,298.0	88.82	35.31	8,824.3	1,344.6	927.7	11.22	1,633.5	34.60	662,394.24	780,230.10
10,330.0	88.05	34.81	8,825.2	1,370.7	946.0	2.87	1,665.5	34.61	662,420.42	780,248.48
10,363.0	88.28	35.05	8,826.2	1,397.8	964.9	1.01	1,698.5	34.62	662,447.47	780,267.36
10,393.0	87.72	35.06	8,827.3	1,422.3	982.1	1.87	1,728.5	34.63	662,472.01	780,284.58
10,442.0	87.72	35.06	8,829.2	1,462.4	1,010.3	0.00	1,777.4	34.64	662,512.09	780,312.71
Projected Depth										



Scientific Drilling

Lea County, New Mexico
NVAWU (11)
Well #11H-ENE
NE Lateral



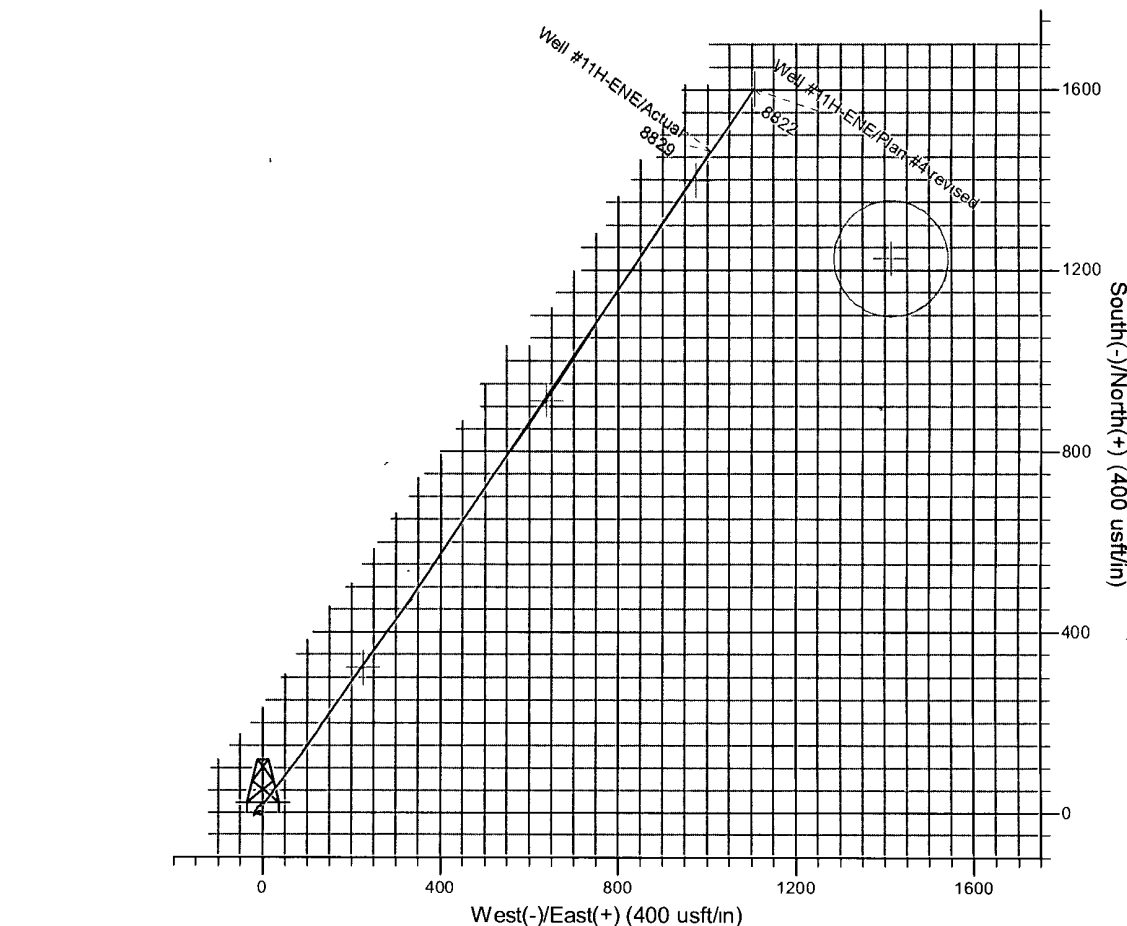
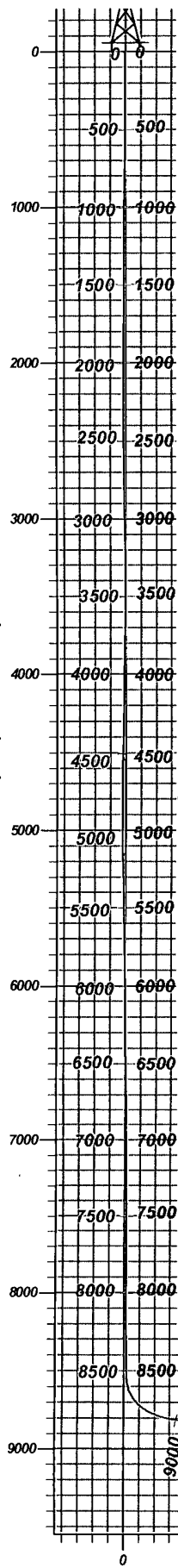
All Section View Depths shown are
Measured Depths

All Plan View Depths shown are
True Vertical depths

Bottom Hole Closure

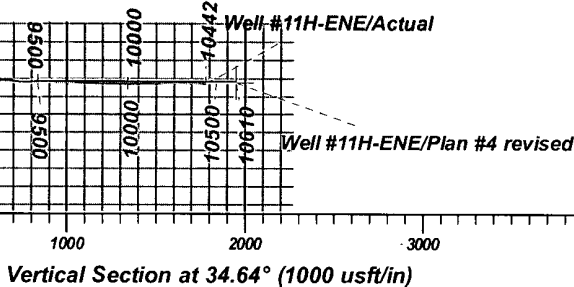
10442.00' MD 87.72° Incl 35.06° Az 8829.2' TVD
1462.4' North 1010.3 East of Surface Location
1777.4' Closure Distance 34.64° Closure Azimuth

True Vertical Depth (1000 usft/in)



WELL DETAILS: Well #11H-ENE

+N/-S	+E/-W	Northing	Ground Level:	4058.0	Longitude	Slot
			Easting	Latitude		
0.0	0.0	661049.68	779302.44	32° 48' 53.488 N	103° 33' 31.522 W	



G Azimuths to Gnd North
M True North 0.42°
Magnetic North 7.24°
Magnetic Field
Strength 48999.6snT
Dip Angle 60.74°
Date 2/27/2011
Model IGRF2010

Scientific Drilling Houston District
281-443-4600
Date: 10:56, May 11 2011